NETWORK ARCHITECTURE FOR MULTI-CLIENT UNITS

ABSTRACT OF THE DISCLOSURE

A network system includes a plurality of integrated access devices (IADs) assigned to a plurality of clients in a multi-client unit (MCU). At least one IAD is assigned to each of the plurality of clients in the multi-client unit to transmit and receives units of information. The IADs is configured to prioritize data transmission according to the type of information included in the units of information. An MCU gateway device is assigned to the multi-client unit and coupled to the plurality of IADs to receive or transmit the units of information. The gateway device is configured to prioritize the units of information according to the type of information included in the units of information. A regional switching device is assigned to a geographic region including the MCU. The regional switching device is coupled to the gateway device to transmit or receive the units of information to and from the gateway device, wherein the unit of information is any block of data suitable for transmission from a first node to a second node in the network system.